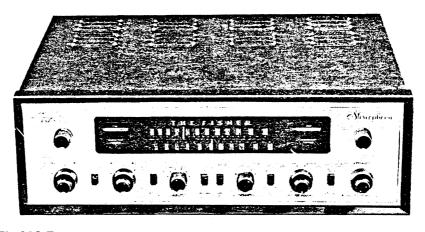
Stereophonic
THE FISHER 202-T

SERVICE





MODEL 202-T

CHASSIS SERIAL NUMBERS FROM 30001 TO 39999 INCLUSIVE

Part No.

C50070-8

C50070-6

C662-123

C684-127

C726-116

CC20CJ080D5

CC20CJO50D5

Ceramic, .005uf 20%; 500V

Ceramic, 12uuf; NPO, 1000V

Ceramic, 12uuf, NPO, 1000V

Ceramic, .005uf 20%; 500V Ceramic, 220uf, 1000V Mylar, .047uf 250V

Mylar, 104701 250V Ceramic, .005uf 20%; 500V Ceramic, .02uf + 80 — 20%, 500V Ceramic, 330uuf, 1000V Mylar, .015uf, 250V

Ceramic, .005uf 20%, 500V

Ceramic, 560uuf; 1000V

Ceramic, .0027uf 1000V

Mylar, .047uf, 250V

Mica trimmer

C80

C81

C82

C85

C86

C87

C88

C89

C90

C91

C92

C93

C96 C97

C94, 95

C83, 84

C50089-1

C50072-14 C50070-2

C629-151-5

C50072-17

C50197-52

C50089-1

C50072-20

C50197-52

C50089-1

C50089-4

C50072-1

C50197-58

C50070-2

C50089-1

C			

10% tolerance for all fixed capacitors, unless otherwise noted or marked GMV (guaranteed minimum value.)

Ceramic, 100 uuf GMV. N1500; 1000V C50070-5 Ceramic, 100 uuf N1500; 1000V C50070-6

Ceramic, 24uut 5 % N150, 1000V Ceramic, 8 uuf ± .5uuf NPO; 500V Ceramic, 5uuf ± .5uuf NPO; 500V Ceramic, 100uuf N1500; 1000V

Description

Ceramic trimmer

AM variable

FM variable

Symbol

C1

C2 C3

C4 C5

C6 C7 C8

C8	Ceramic, 100 but GMV. 141300, 1000V	C50070-6	C96	Mylar, .015uf, 250V	C50197-58
C9	Ceramic, Feedthru, .001 uf GMV	C592-187	C97		C21GP821J5
	Ceramic, .02uf + 80 — 20 %; 500V	C50089-4	C98	Ceramic, 330uuf, 1000V	C50072-1
C13	Ceramic, Feedthru, .001 uf; GMV	C592-187	C99	Ceramic, .0033uf; 1000V	C50072-11
C14	Ceramic, reedinio, .oor or, onto	C50089-4	C100	Electrolytic, 8uf, 50V	C629-138
C15		C50072-3	C101	Mylar, .1uf, 250V	C50197-54
C16	Ceramic, .001 uf; 1000V	C50089-4	C102	Ceramic, .005uf, 20%; 500V	C50089-1
C17	Ceramic, .02uf + 80 — 20 %; 500V	C50089-1	C110, 111	Ceramic, 220uuf, 1000V	C50072-20
C18	Ceramic, .005uf 20%; 500V	00108005	C112, 113	Ceramic, 100uuf, GMV; 1000V	C50070-5
C19	Ceramic, 8uuf ± .5uuf; NPO, 500V CC2	50077-6N		Mylar, .01uf, 250V	C50197-48
C20	Cerdinic, 100001, 0001	C662-123	C116, 117	Mylar, .022uf, 250V	C50197-49
C21	Ceramic, Trimmer		C118, 119	Ceramic, 33uuf,, 5 %, N750, 1000V	C50070-25K
C22	Ceramic, 10uuf ± .5uuf, NPO; 500V CC2	C50070-6	C120, 121	Ceramic, 2700uuf; 1000V	C50072-17
C23	Ceramic, 100uuf, N1500; 1000V	C50070-6	C122	Ceramic, .0033uf; 1000V	C50072-11
C24	Ceramic, 100uuf, GMV, N1500, 1000V	C30070-3	C123	Electrolytic, 25uf; 6V	C639-114
C25		0UJ680K5	C124	Ceramic, .0033uf; 1000V	C50072-11
C26	Ceramic, 100uuf, N1500; 1000V	C50070-6 C2747	C125	Electrolytic, 25uf, 6V	C639-114
C27	Molded, .01 uf 20 %; 600V	02/7/	C126, 127	Mylar, .047uf, 250V	C50197-52
C28	Ceramic, 5uuf ± .5uuf N150, 500V CC2	08405005		Ceramic, .005uf, 20 %; 500V	C50089-1
C29	Ceramic, 5uuf ± .5uuf N220, 500V CC2	C50070-4	C130, 131	Mylar, .68uf; 250V	50197-57
C30	Ceramic, 47uuf N750; 1000V		C132, 133	Mylar, .027uf, 250V	50197-50
C31	Ceramic, trimmer	C662-123	C134, 135	Ceramic, 330uuf; 1000V	C50072-11
C32	Ceramic, feedthru .001uf GMV	C592-187	C136, 137	Ceramic, 24uuf 5% N150 1000V	C50070-8
C33	Ceramic, 10uuf ± 5uuf NPO; 500V CC2	00110003		Mylar, .1uf; 250V	C50197-54
C34	Ceramic, 24uuf 5 %; N150; 1000V	C50070-8	C140	Electrolytic, 25uf, 6V	C639-114
C35	Ceramic, 100uuf GMV, N1500; 1000V	C30070-3	C141	Ceramic, .001uf; 1000V	C50072-3
C36	Ceramic, 100uuf 5 %, N1500; 1000V	C50070-19	C142	Electrolytic, 25uf; 6V	C639-114
C37	Ceramic . 001 uf , 1000V	C50072-3	C143	Ceramic, .001uf; 100V	C50072-3
C38	Coramic feedthry .001 of GMV	C592-187		Electrolytic, 25uf; 6V	C639-114
C39, 40	Ceramic, .02uf + 80 — 20 % 500V	50089-4		Mylar, .1uf; 250V	C50197-54
C41	Ceramic, .005uf 20 %; 500V	50089-1	C148, 149	Ceramic, .02uf + 80 - 20 %; 500	V C50089-4
C42	Electrolytic four section:	C50180-3	C150, 151		
	A 40uf 350V		152, 153		
	B 40uf 300V		154	Mylar, .1uf; 250V	C50197-54
	C 40uf 300V			Ceramic, .001uf, GMV, 500V	C50089-2
	D 40uf 250V	650100 7	C157	Electrolytic, 8uf, 50V	C629-138
C43	Electrolytic to section:	C50180-7	C158	Mylar, .047uf, 250V	C50197-52
	A 1000uf 30V		C159	Electrolytic, 1uf, 250V	C546-126
	B 1000uf 30V	C592-187	C160, 161	Ceramic, 330uuf, 1000V	C50072-1
C44	Ceramic feedthru .001uf GMV				
	.=0 (5 % 200\/	C3334			
C45	Mica 470uuf 5%, 300V	C3334		RESISTORS AND POTENTIOM	ETERS
C46, 47	Mica, 470uuf 5 %, 300V Ceramic, ,005uf 20 %; 500V	C50089-1	la.	RESISTORS AND POTENTIOM	
C46, 47 C48	Mica, 470uuf 5 %, 300V Ceramic, .005uf 20 %; 500V Ceramic, .0027uf, 1000V	C50089-1 C50072-17		ohms, 10% tolerance, 1/2 watt, unle	
C46, 47	Mica, 470uuf 5 %, 300V Ceramic, .005uf 20 %; 500V Ceramic, .0027uf, 1000V Electrolytic, three section:	C50089-1			
C46, 47 C48	Mica, 470uuf 5 %, 300V Ceramic, .005uf 20 %; 500V Ceramic, .0027uf, 1000V Electrolytic, three section: A 40uf 250V	C50089-1 C50072-17		ohms, 10% tolerance, 1/2 watt, unle	
C46, 47 C48	Mica, 470uuf 5 %, 300V Ceramic, .005uf 20 %; 500V Ceramic, .0027uf, 1000V Electrolytic, three section:	C50089-1 C50072-17	, no	ohms, 10 % tolerance, $\frac{1}{2}$ watt, unleads $\frac{1}{2}$ K = kilohm, $\frac{1}{2}$ megohm.	ess otherwise
C46, 47 C48 C49	Mica, 470uuf 5 %, 300V Ceramic, .005uf 20 %; 500V Ceramic, .0027uf, 1000V Electrolytic, three section: A 40uf 250V	C50089-1 C50072-17	Symbol no	ohms, 10% tolerance, $\frac{1}{2}$ watt, unleaded. $K = kilohm$, $M = megohm$. Description	ess otherwise Part No.
C46, 47 C48 C49 C50, 51,	Mica, 470uuf 5 %, 300V Ceramic, .005uf 20 %; 500V Ceramic, .0027uf, 1000V Electrolytic, three section: A 40uf 250V B 40uf 250V C 40uf 250V	C50089-1 C50072-17 C50180-4	Symbol R1 R2	ohms, 10% tolerance, ½ watt, unloted. K = kilohm, M = megohm. Description Composition 330	Part No. RC20BF331K
C46, 47 C48 C49 C50, 51,	Mica, 470uuf 5 %, 300V Ceramic, .005uf 20 %; 500V Ceramic, .0027uf, 1000V Electrolytic, three section: A 40uf 250V B 40uf 250V C 40uf 250V Ceramic, .005uf 20 %; 500V	C50089-1 C50072-17 C50180-4	Symbol R1	ohms, 10% tolerance, ½ watt, unle oted. K = kilohm, M = megohm. Description Composition 330 Composition 2.7K	Part No. RC20BF331K RC20BF272K
C46, 47 C48 C49 C50, 51, 52 C53	Mica, 470uuf 5 %, 300V Ceramic, .005uf 20 %; 500V Ceramic, .0027uf, 1000V Electrolytic, three section: A 40uf 250V B 40uf 250V C 40uf 250V Ceramic, .005uf 20 %; 500V Mica, 470uuf, 5 %; 300V	C50089-1 C50072-17 C50180-4	Symbol R1 R2 R3	ohms, 10% tolerance, ½ watt, unloted. K = kilohm, M = megohm. Description Composition 330 Composition 2.7K Composition 330	Part No. RC20BF331K RC20BF272K RC20BF331K
C46, 47 C48 C49 C50, 51, 52 C53 C54	Mica, 470uuf 5 %, 300V Ceramic, .005uf 20 %; 500V Ceramic, .0027uf, 1000V Electrolytic, three section:	C50089-1 C50072-17 C50180-4 C50089-1 C3334 C50197-52	Symbol R1 R2 R3 R4 R5	ohms, 10% tolerance, ½ watt, unloated. K = kilohm, M = megohm. Description Composition 330 Composition 2.7K Composition 330 Composition 1K Composition 4.7	Part No. RC20BF331K RC20BF272K RC20BF331K RC20BF102K
C46, 47 C48 C49 C50, 51, 52 C53	Mica, 470uuf 5 %, 300V Ceramic, .005uf 20 %; 500V Ceramic, .0027uf, 1000V Electrolytic, three section: A 40uf 250V B 40uf 250V C 40uf 250V Ceramic, .005uf 20 %; 500V Mica, .470uuf, 5 %; 300V Mylar, .047 uf; 250V Electrolytic, two section:	C50089-1 C50072-17 C50180-4 C50089-1 C3334	R1 R2 R3 R4 R5 R6	ohms, 10% tolerance, ½ watt, unloted. K = kilohm, M = megohm. Description Composition 330 Composition 2.7K Composition 330 Composition 1K	Part No. RC20BF331K RC20BF272K RC20BF331K RC20BF102K RC20BF102K
C46, 47 C48 C49 C50, 51, 52 C53 C54	Mica, 470uuf 5 %, 300V Ceramic, .005uf 20 %; 500V Ceramic, .0027uf, 1000V Electrolytic, three section: A 40uf 250V B 40uf 250V C 40uf 250V Ceramic, .005uf 20 %; 500V Mica, 470uuf, 5 %; 300V Mylar, .047 uf; 250V Electrolytic, two section: A 40uf 250V	C50089-1 C50072-17 C50180-4 C50089-1 C3334 C50197-52	R1 R2 R3 R4 R5 R6 R7	ohms, 10% tolerance, ½ watt, unloted. K = kilohm, M = megohm. Description Composition 330 Composition 2.7K Composition 330 Composition 1K Composition 1.7 Composition 1.00K	Part No. RC20BF331K RC20BF272K RC20BF331K RC20BF102K RC20BF4R7K RC20BF104K
C46, 47 C48 C49 C50, 51, 52 C53 C54 C55	Mica, 470uuf 5 %, 300V Ceramic, .005uf 20 %; 500V Ceramic, .0027uf, 1000V Electrolytic, three section: A 40uf 250V B 40uf 250V C 40uf 250V Ceramic, .005uf 20 %; 500V Mica, 470uuf, 5 %; 300V Mylar, .047 uf; 250V Electrolytic, two section: A 40uf 250V B 40uf 250V	C50089-1 C50072-17 C50180-4 C50089-1 C3334 C50197-52 C50180-5	R1 R2 R3 R4 R5 R6 R7 R8	ohms, 10% tolerance, ½ watt, unleaded. K = kilohm, M = megohm. Description Composition 330 Composition 330 Composition 1 K Composition 1 K Composition 4.7 Composition 100K Composition 4.7M	Part No. RC20BF331K RC20BF272K RC20BF331K RC20BF102K RC20BF487K RC20BF104K RC20BF104K
C46, 47 C48 C49 C50, 51, 52 C53 C54 C55	Mica, 470uuf 5 %, 300V Ceramic, .005uf 20 %; 500V Ceramic, .0027uf, 1000V Electrolytic, three section: A 40uf 250V B 40uf 250V C 40uf 250V Ceramic, .005uf 20 %; 500V Mica, 470uuf, 5 %; 300V Mylar, .047 uf; 250V Electrolytic, two section: A 40uf 250V B 40uf 250V Ceramic, .005uf 20 %; 500V	C50089-1 C50072-17 C50180-4 C50189-1 C3334 C50197-52 C50180-5	R1 R2 R3 R4 R5 R6 R7 R8 R9	ohms, 10% tolerance, ½ watt, unleaded. K = kilohm, M = megohm. Description Composition 330 Composition 2.7K Composition 1K Composition 1K Composition 4.7 Composition 100K Composition 1.20 Composition 1.20 Composition 3.3M	Part No. RC20BF331K RC20BF272K RC20BF331K RC20BF102K RC20BF475K RC20BF475K RC20BF475K RC20BF475K
C46, 47 C48 C49 C50, 51, 52 C53 C54 C55	Mica, 470uuf 5 %, 300V Ceramic, .005uf 20 %; 500V Ceramic, .0027uf, 1000V Electrolytic, three section: A 40uf 250V B 40uf 250V C 40uf 250V Ceramic, .005uf 20 %; 500V Mica, 470uuf, 5 %; 300V Mylar, .047 uf; 250V Electrolytic, two section: A 40uf 250V B 40uf 250V Ceramic, .005uf 20 %; 500V	C50089-1 C50072-17 C50180-4 C50189-1 C3334 C50197-52 C50180-5	R1 R2 R3 R4 R5 R6 R7 R8	ohms, 10% tolerance, ½ watt, unleaded. K = kilohm, M = megohm. Description Composition 330 Composition 2.7K Composition 18 Composition 4.7 Composition 100K Composition 4.7M Composition 120	Part No. RC20BF331K RC20BF372K RC20BF331K RC20BF102K RC20BF102K RC20BF4R7K RC20BF475K RC20BF121K RC20BF121K RC20BF335K
C46, 47 C48 C49 C50, 51, 52 C53 C54 C55	Mica, 470uuf 5 %, 300V Ceramic, 005uf 20 %; 500V Ceramic, 0027uf, 1000V Electrolytic, three section: A 40uf 250V B 40uf 250V C 40uf 250V Ceramic, 005uf 20 %; 500V Mica, 470uuf, 5 %; 300V Mylar, 047 uf; 250V Electrolytic, two section: A 40uf 250V B 40uf 250V Ceramic, 005uf 20 %; 500V Ceramic, 005uf 20 %; 500V Ceramic, 005uf 20 %; 500V Ceramic, 002f + 80 — 20 %; 500V Ceramic, 0027uf, 1000V	C50089-1 C50089-1 C3334 C50180-5 C50089-1 C3334 C50197-52 C50180-5	R1 R2 R3 R4 R5 R6 R7 R8 R9 R10 R11, 12	ohms, 10% tolerance, ½ watt, unloaded. K = kilohm, M = megohm. Description Composition 330 Composition 2.7K Composition 330 Composition 1K Composition 4.7 Composition 100K Composition 4.7M Composition 120 Composition 3.3M Composition 120	Part No. RC20BF331K RC20BF272K RC20BF311K RC20BF102K RC20BF475K RC20BF475K RC20BF121K RC20BF335K RC20BF321K
C46, 47 C48 C49 C50, 51, 52 C53 C54 C55 C56 C57 C58 C59	Mica, 470uuf 5 %, 300V Ceramic, .005uf 20 %; 500V Ceramic, .0027uf, 1000V Electrolytic, three section: A 40uf 250V B 40uf 250V C 40uf 250V Ceramic, .005uf 20 %; 500V Mica, 470uuf, 5 %; 300V Mylar, .047 uf; 250V Electrolytic, two section: A 40uf 250V B 40uf 250V Ceramic, .005uf 20 %; 500V Ceramic, .005uf 20 %; 500V Ceramic, .005uf 20 %; 500V Ceramic, .002ruf, 1000V Ceramic, .002ruf, 1000V Ceramic, .002ruf, 1000V Ceramic, .002uf + 80 — 20 %; 500V	C50089-1 C50072-17 C50180-4 C50180-4 C50089-1 C3334 C50197-52 C50180-5 C50089-1 C50089-4 C50072-17 C50089-4	R1 R2 R3 R4 R5 R6 R7 R8 R9 R10 R11, 12	ohms, 10% tolerance, ½ watt, unleaded. K = kilohm, M = megohm. Description Composition 330 Composition 330 Composition 18 Composition 1K Composition 4.7 Composition 4.7 Composition 100K Composition 120 Composition 120 Composition 120 Composition 330K	Part No. RC20BF331K RC20BF272K RC20BF331K RC20BF102K RC20BF477K RC20BF475K RC20BF475K RC20BF121K RC20BF335K
C46, 47 C48 C49 C50, 51, 52 C53 C54 C55 C56 C57 C58 C59 C60, 61	Mica, 470uuf 5 %, 300V Ceramic, .005uf 20 %; 500V Ceramic, .0027uf, 1000V Electrolytic, three section: A 40uf 250V B 40uf 250V C 40uf 250V Ceramic, .005uf 20 %; 500V Mica, 470uuf, 5 %; 300V Mylar, .047 uf; 250V Electrolytic, two section: A 40uf 250V Ceramic, .005uf 20 %; 500V Ceramic, .02uf + 80 — 20 %; 500V Ceramic, .002ruf, 1000V Ceramic, .02uf + 80 — 20 %; 500V Ceramic, .005uf 20 %; 500V	C50089-1 C50089-1 C50180-4 C50180-4 C50089-1 C3334 C50197-52 C50180-5 C50089-4 C50072-17 C50089-4 C50089-4	R1 R2 R3 R4 R5 R6 R7 R8 R9 R10 R11, 12 R13 R14	ohms, 10% tolerance, ½ watt, unleaded. K = kilohm, M = megohm. Description Composition 330 Composition 330 Composition 1K Composition 1K Composition 100K Composition 120 Composition 120 Composition 330K Composition 330K Composition 30K Composition 30K Composition 30K Composition 37K	Part No. RC20BF331K RC20BF272K RC20BF331K RC20BF102K RC20BF102K RC20BF104K RC20BF104K RC20BF121K RC20BF335K RC20BF121K RC20BF334K RC20BF334K
C46, 47 C48 C49 C50, 51, 52 C53 C54 C55 C57 C58 C59 C60, 61	Mica, 470uuf 5 %, 300V Ceramic, .005uf 20 %; 500V Ceramic, .0027uf, 1000V Electrolytic, three section:	C50089-1 C50072-17 C50180-4 C50180-4 C50089-1 C3334 C50197-52 C50180-5 C50089-1 C50089-4 C50072-17 C50089-4	R1 R2 R3 R4 R5 R6 R7 R8 R9 R10 R11, 12	ohms, 10% tolerance, ½ watt, unleaded. K = kilohm, M = megohm. Description Composition 330 Composition 2.7K Composition 330 Composition 1K Composition 4.7 Composition 100K Composition 120 Composition 120 Composition 120 Composition 120 Composition 3.3M Composition 330K Composition 330K Composition 47K Composition 1K	Part No. RC20BF331K RC20BF372K RC20BF331K RC20BF102K RC20BF102K RC20BF102K RC20BF121K RC20BF121K RC20BF335K RC20BF121K RC20BF334K RC20BF3473K RC20BF3473K RC20BF473K
C46, 47 C48 C49 C50, 51, 52 C53 C54 C55 C55 C56 C57 C58 C59 C60, 61 C62 C63, 64	Mica, 470uuf 5 %, 300V Ceramic, 005uf 20 %; 500V Ceramic, 0027uf, 1000V Electrolytic, three section:	C50089-1 C50089-1 C3334 C50180-5 C50180-5 C50089-1 C50089-4 C50072-17 C50089-4 C50089-1 C3334 C50089-1	R1 R2 R3 R4 R5 R6 R7 R8 R9 R10 R11, 12 R13 R14 R15 R16	ohms, 10% tolerance, ½ watt, unleaded. K = kilohm, M = megohm. Description Composition 330 Composition 2.7K Composition 1K Composition 4.7 Composition 100K Composition 120 Composition 120 Composition 120 Composition 330K Composition 47K Composition 47K Composition 1K Composition 1K Composition 1K Composition 1K Composition 1K Composition 1K Composition 1	Part No. RC20BF331K RC20BF372K RC20BF372K RC20BF310K RC20BF102K RC20BF104K RC20BF121K RC20BF121K RC20BF335K RC20BF121K RC20BF334K RC20BF334K RC20BF121K RC20BF136K RC20BF120K
C46, 47 C48 C49 C50, 51, 52 C53 C54 C55 C56 C57 C58 C59 C60, 61 C62 C63, 64	Mica, 470uuf 5 %, 300V Ceramic, 005uf 20 %; 500V Ceramic, 0027uf, 1000V Electrolytic, three section: A 40uf 250V B 40uf 250V C 40uf 250V Ceramic, 005uf 20 %; 500V Mica, 470uuf, 5 %; 300V Mylar, 0.47 uf; 250V Electrolytic, two section: A 40uf 250V Ceramic, 005uf 20 %; 500V Ceramic, 005uf 20 %; 500V Ceramic, 0027uf, 1000V Ceramic, 0.2uf + 80 — 20 %; 500V Ceramic, 0.2uf + 80 — 20 %; 500V Ceramic, 0.2uf + 80 — 20 %; 500V Ceramic, 0.5uf 20 %; 500V Ceramic, 0.5uf 20 %; 500V Ceramic, 0.5uf 20 %; 500V Ceramic, .005uf, 20 %, 500V	C50089-1 C50089-1 C3334 C50180-5 C50180-5 C50089-1 C50089-1 C50089-4 C50089-1 C50089-1 C3334	R1 R2 R3 R4 R5 R6 R7 R8 R9 R10 R11, 12 R13 R14 R15	ohms, 10% tolerance, ½ watt, unleaded. K = kilohm, M = megohm. Description Composition 330 Composition 330 Composition 1K Composition 1K Composition 4.7 Composition 4.7 Composition 120 Composition 120 Composition 330K Composition 330K Composition 47K Composition 1K Composition 1K Composition 1C Composition 47K Composition 1C Composition 1C Composition 2C	Part No. RC20BF331K RC20BF272K RC20BF331K RC20BF102K RC20BF102K RC20BF477K RC20BF104K RC20BF475K RC20BF335K RC20BF335K RC20BF335K RC20BF334K RC20BF334K RC20BF334K RC20BF322K
C46, 47 C48 C49 C50, 51, 52 C53 C54 C55 C56 C57 C58 C59 C60, 61 C62 C63, 64 C65 C65	Mica, 470uuf 5 %, 300V Ceramic, 005uf 20 %; 500V Ceramic, 0027uf, 1000V Electrolytic, three section: A 40uf 250V B 40uf 250V C 40uf 250V Ceramic, 005uf 20 %; 500V Mica, 470uuf, 5 %; 300V Mylar, .047 uf; 250V Electrolytic, two section: A 40uf 250V Ceramic, .005uf 20 %; 500V Ceramic, .005uf 20 %; 500V Ceramic, .0027uf, 1000V Ceramic, .0027uf, 1000V Ceramic, .005uf 20 %; 500V Ceramic, .005uf, 20 %, 500V	C50089-1 C50089-1 C3334 C50180-5 C50089-1 C50089-1 C50089-4 C50089-1 C3334 C50089-1 C3334 C50089-1 C50089-1	R1 R2 R3 R4 R5 R6 R7 R8 R9 R10 R11, 12 R13 R14 R15 R16 R17	ohms, 10% tolerance, ½ watt, unleaded. K = kilohm, M = megohm. Description Composition 330 Composition 330 Composition 1K Composition 1K Composition 100K Composition 120 Composition 120 Composition 120 Composition 120 Composition 4.7K Composition 4.7K Composition 1K Composition 1K Composition 1K Composition 1C2 Composition 1C2 Composition 1C3 Composition 1C4 Composition 1C4 Composition 1C5 Composition 2C5 Composition 2C5 Composition 4.7	Part No. RC20BF331K RC20BF272K RC20BF331K RC20BF102K RC20BF102K RC20BF475K RC20BF475K RC20BF121K RC20BF335K RC20BF121K RC20BF334K RC20BF334K RC20BF32K RC20BF22K RC20BF220K RC20BF220K
C46, 47 C48 C49 C50, 51, 52 C53 C54 C55 C57 C58 C59 C60, 61 C62 C63, 64 C65 C66	Mica, 470uuf 5 %, 300V Ceramic, .005uf 20 %; 500V Ceramic, .0027uf, 1000V Electrolytic, three section:	C50089-1 C50089-1 C3334 C50180-5 C50089-1 C50089-4 C50072-17 C50089-4 C50089-1 C3334 C50089-1 C30089-1 C30089-1	R1 R2 R3 R4 R5 R6 R7 R8 R9 R10 R11, 12 R13 R14 R15 R16 R17 R18	ohms, 10% tolerance, ½ watt, unleaded. K = kilohm, M = megohm. Description Composition 330 Composition 2.7K Composition 1K Composition 100K Composition 100K Composition 120 Composition 120 Composition 120 Composition 330K Composition 30K Composition 4.7K Composition 4.7K Composition 120 Composition 120 Composition 4.7K Composition 120 Composition 120 Composition 22 Composition 120 Composition 147 Composition 22 Composition 22 Composition 4.7 Composition 4.7	Part No. RC20BF331K RC20BF372K RC20BF3731K RC20BF102K RC20BF102K RC20BF102K RC20BF121K RC20BF121K RC20BF335K RC20BF121K RC20BF334K RC20BF334K RC20BF373K RC20BF374K RC20BF374K RC20BF374K RC20BF374K RC20BF374K RC20BF374K
C46, 47 C48 C49 C50, 51, 52 C53 C54 C55 C57 C58 C59 C60, 61 C62 C63, 64 C65 C67	Mica, 470uuf 5 %, 300V Ceramic, .005uf 20 %; 500V Ceramic, .0027uf, 1000V Electrolytic, three section:	C50089-1 C50089-1 C3334 C50180-5 C50089-1 C50089-1 C50089-4 C50072-17 C50089-1 C50089-1 C50089-1 C50089-1 C50089-1 C50089-1 C50089-1 C3334 C50089-1 C50070-4 C50072-20	R1 R2 R3 R4 R5 R6 R7 R8 R9 R10 R11, 12 R13 R14 R15 R16 R17 R18 R19 R20	ohms, 10% tolerance, ½ watt, unleaded. K = kilohm, M = megohm. Description Composition 330 Composition 2.7K Composition 1.K Composition 4.7 Composition 1.00K Composition 1.20 Composition 1.20 Composition 1.20 Composition 3.3M Composition 3.3M Composition 3.3M Composition 1.20 Composition 1.20 Composition 3.3K Composition 1.K Composition 1.K Composition 2.2 Composition 2.2K Composition 4.7 Composition 8.20K Composition 1.K	Part No. RC20BF331K RC20BF372K RC20BF372K RC20BF102K RC20BF102K RC20BF104K RC20BF121K RC20BF121K RC20BF335K RC20BF121K RC20BF334K RC20BF334K RC20BF121K RC20BF334K RC20BF473K RC20BF473K RC20BF473K RC20BF473K
C46, 47 C48 C49 C50, 51, 52 C53 C54 C55 C56 C57 C58 C59 C60, 61 C62 C63, 64 C65 C66 C67	Mica, 470uuf 5 %, 300V Ceramic, 005uf 20 %; 500V Ceramic, 0027uf, 1000V Electrolytic, three section:	C50089-1 C50072-17 C50180-4 C50180-4 C50187-52 C50180-5 C50089-1 C50089-4 C50072-17 C50089-1 C50089-1 C50070-4 C50070-4 C50070-20 C3334 C50072-20	R1 R2 R3 R4 R5 R6 R7 R8 R9 R10 R11, 12 R13 R14 R15 R16 R17	ohms, 10% tolerance, ½ watt, unleaded. K = kilohm, M = megohm. Description Composition 330 Composition 330 Composition 1K Composition 1K Composition 4.7 Composition 4.7 Composition 120 Composition 120 Composition 330K Composition 330K Composition 120 Composition 47K Composition 120 Composition 120 Composition 22 Composition 120 Composition 4.7 Composition 22 Composition 4.7 Composition 4.7 Composition 4.7 Composition 4.7 Composition 1K Composition 1K Composition 1K Composition 1K Composition 100	Part No. RC20BF331K RC20BF272K RC20BF331K RC20BF102K RC20BF475K RC20BF104K RC20BF121K RC20BF335K RC20BF335K RC20BF335K RC20BF335K RC20BF334K RC20BF334K RC20BF121K RC20BF322K RC20BF102K RC20BF102K RC20BF102K RC20BF102K RC20BF101K
C46, 47 C48 C49 C50, 51, 52 C53 C54 C55 C56 C57 C58 C59 C60, 61 C62 C63, 64 C65 C66 C67 C68	Mica, 470uuf 5 %, 300V Ceramic, .005uf 20 %; 500V Ceramic, .0027uf, 1000V Electrolytic, three section:	C50089-1 C50072-17 C50180-4 C50180-4 C50187-52 C50180-5 C50089-1 C50089-4 C50089-1 C50089-1 C50089-1 C50070-4 C50072-20 C3334 C50072-20 C3334 C50072-20 C3334 C50072-20 C3334 C50072-20 C3334 C50089-1 C50089-1 C50089-1	R1 R2 R3 R4 R5 R6 R7 R8 R9 R10 R11, 12 R13 R14 R15 R16 R17 R18 R19 R20 R21	ohms, 10% tolerance, ½ watt, unleaded. K = kilohm, M = megohm. Description Composition 330 Composition 330 Composition 18 Composition 1K Composition 4.7 Composition 100K Composition 120 Composition 120 Composition 120 Composition 330K Composition 47K Composition 1K Composition 1K Composition 1C0 Composition 22 Composition 22 Composition 22 Composition 4.7 Composition 22 Composition 22 Composition 4.7 Composition 4.7 Composition 820K Composition 1K Composition 1K Composition 1K Composition 1C Composition 100 Composition 470K	Part No. RC20BF331K RC20BF272K RC20BF331K RC20BF102K RC20BF102K RC20BF475K RC20BF475K RC20BF121K RC20BF335K RC20BF121K RC20BF335K RC20BF334K RC20BF334K RC20BF122K RC20BF222K RC20BF222K RC20BF222K RC20BF224K RC20BF474K RC20BF102K RC20BF102K RC20BF104K RC20BF104K
C46, 47 C48 C49 C50, 51, 52 C53 C54 C55 C57 C58 C59 C60, 61 C62 C63, 64 C65 C67 C68 C67	Mica, 470uuf 5 %, 300V Ceramic, .005uf 20 %; 500V Ceramic, .0027uf, 1000V Electrolytic, three section:	C50089-1 C50072-17 C50180-4 C50180-4 C50187-52 C50180-5 C50089-1 C50089-4 C50089-1 C50089-1 C50089-1 C50070-4 C50072-20 C3334 C50072-20 C3334 C50072-20 C3334 C50072-20 C3334 C50072-20 C3334 C50089-1 C50089-1 C50089-1	R1 R2 R3 R4 R5 R6 R7 R8 R9 R10 R11, 12 R13 R14 R15 R16 R17 R18 R19 R20 R21	ohms, 10% tolerance, ½ watt, unleaded. K = kilohm, M = megohm. Description Composition 330 Composition 330 Composition 1K Composition 1K Composition 100K Composition 120 Composition 120 Composition 120 Composition 330K Composition 120 Composition 4.7K Composition 30K Composition 1K Composition 1K Composition 1K Composition 1K Composition 22 Composition 22 Composition 22 Composition 4.7 Composition 4.7 Composition 820K Composition 1K Composition 1K Composition 100 Composition 470K Composition 470K Composition 470K Composition 470K Composition 470K	Part No. RC20BF331K RC20BF272K RC20BF331K RC20BF102K RC20BF102K RC20BF104K RC20BF121K RC20BF121K RC20BF335K RC20BF335K RC20BF121K RC20BF334K RC20BF334K RC20BF122K RC20BF102K RC20BF102K RC20BF22CK RC20BF22CK RC20BF102K RC30BF102K
C46, 47 C48 C49 C50, 51, 52 C53 C54 C55 C57 C58 C59 C60, 61 C62 C63, 64 C65 C67 C68 C69 C70 C71 C72	Mica, 470uuf 5 %, 300V Ceramic, .005uf 20 %; 500V Ceramic, .0027uf, 1000V Electrolytic, three section:	C50089-1 C50072-17 C50180-4 C50180-4 C50187-52 C50180-5 C50089-1 C50089-4 C50089-1 C50089-1 C50089-1 C50070-4 C50072-20 C3334 C50072-20 C3334 C50072-20 C3334 C50072-20 C3334 C50072-20 C3334 C50089-1 C50089-1 C50089-1	R1 R2 R3 R4 R5 R6 R7 R8 R9 R10 R11, 12 R13 R14 R15 R16 R17 R18 R19 R20 R21 R22 R23	ohms, 10% tolerance, ½ watt, unleaded. K = kilohm, M = megohm. Description Composition 330 Composition 2.7K Composition 1.K Composition 4.7 Composition 1.OOK Composition 1.20 Composition 1.20 Composition 1.20 Composition 3.3M Composition 1.20 Composition 1.Composition 1.Composition 1.Composition 1.Composition 1.Composition 1.Composition 1.Composition 1.Composition 1.K Composition 2.2K Composition 8.2OK Composition 1.K Composition 2.2K Composition 2.2K Composition 2.2K Composition 2.2K Composition 1.K	Part No. RC20BF331K RC20BF372K RC20BF372K RC20BF372K RC20BF102K RC20BF102K RC20BF104K RC20BF121K RC20BF335K RC20BF121K RC20BF335K RC20BF121K RC20BF334K RC20BF121K RC20BF473K RC20BF102K RC20BF473K RC20BF102K RC20BF420K RC20BF420K RC20BF420K RC20BF420K RC20BF473K RC20BF474K RC20BF101K RC20BF101K RC20BF102K RC20BF102K
C46, 47 C48 C49 C50, 51, 52 C53 C54 C55 C57 C58 C59 C60, 61 C62 C63, 64 C65 C67 C68 C67	Mica, 470uuf 5 %, 300V Ceramic, 005uf 20 %; 500V Ceramic, 0027uf, 1000V Electrolytic, three section:	C50089-1 C50072-17 C50180-4 C50180-4 C50180-5 C50197-52 C50180-5 C50089-1 C50089-4 C50089-1 C50089-1 C50070-4 C50070-20 C3334 C50070-20 C3334 C50070-20 C3070-20 C50072-20 C50072-17 C50089-1 C50089-1 C50089-4 20CJ050D5	R1 R2 R3 R4 R5 R6 R7 R8 R9 R10 R11, 12 R13 R14 R15 R16 R17 R18 R19 R20 R21 R22 R23 R24	ohms, 10% tolerance, ½ watt, unleaded. K = kilohm, M = megohm. Description Composition 330 Composition 2.7K Composition 1.K Composition 1.K Composition 4.7 Composition 4.7M Composition 120 Composition 120 Composition 330K Composition 330K Composition 120 Composition 120 Composition 22 Composition 22 Composition 22 Composition 4.7 Composition 4.7 Composition 4.7 Composition 1.K Composition 4.7 Composition 1.K Composition 4.7 Composition 1.K Composition 22K Composition 1.K Composition 22K Composition 1.K Composition 1.K Composition 2.2K Composition 1.K Composition 2.2K Composition 1.K Composition 1.K Composition 2.2K Composition 1.K Composition 2.2K Composition 1.K Composition 2.2K Composition 2.2K Composition 2.2K Composition 1.K Composition 2.2K Composition 2.2K Composition 2.2K Composition 1.K	Part No. RC20BF331K RC20BF372K RC20BF3731K RC20BF102K RC20BF102K RC20BF102K RC20BF102K RC20BF121K RC20BF121K RC20BF335K RC20BF121K RC20BF334K RC20BF334K RC20BF473K RC20BF473K RC20BF473K RC20BF474K RC30BF423K RC30BF223K
C46, 47 C48 C49 C50, 51, 52 C53 C54 C55 C56 C57 C58 C59 C60, 61 C63, 64 C65 C66 C67 C68 C69 C70 C71 C72 C73	Mica, 470uuf 5 %, 300V Ceramic, 005uf 20 %; 500V Ceramic, 0027uf, 1000V Electrolytic, three section: A 40uf 250V B 40uf 250V C 40uf 250V C 40uf 250V Ceramic, 005uf 20 %; 500V Mica, 470uuf, 5 %; 300V Mylar, 0.47 uf; 250V Electrolytic, two section: A 40uf 250V Ceramic, 005uf 20 %; 500V Ceramic, .005uf 20 %; 500V Ceramic, .02uf + 80 — 20 %; 500V Ceramic, .02uf + 80 — 20 %; 500V Ceramic, .02uf + 80 — 20 %; 500V Ceramic, .005uf 20 %; 500V Ceramic, .005uf 20 %; 500V Ceramic, .005uf, 20 %, 500V Ceramic, .005uf, 20 %, 500V Ceramic, .005uf, 20 %; 500V Ceramic, .005uf 20 %; 500V Ceramic, .005uf 20 %; 500V Ceramic, .02uf + 80 — 20 %; 500V Ceramic, .02uf + 5uuf, NPO; 500V Ceramic, .05uf ± .5uuf, NPO; 500V Ceramic, .05uf 5 %; 1000V Ceramic, .005uf 20 %; 500V	C50089-1 C50072-17 C50180-4 C50180-4 C50180-5 C50197-52 C50180-5 C50089-1 C50089-4 C50089-1 C3334 C50089-1 C50070-4 C50072-20 C3334 C50089-1 C50072-20 C50072-20 C50072-17 C50089-1 C50089-1 C50089-1 C50070-8	R1 R2 R3 R4 R5 R6 R7 R8 R9 R10 R11, 12 R13 R14 R15 R16 R17 R18 R19 R20 R21 R22 R23 R24 R25	ohms, 10% tolerance, ½ watt, unleaded. K = kilohm, M = megohm. Description Composition 330 Composition 2.7K Composition 1.0 Composition 4.7 Composition 1.00K Composition 1.20 Composition 1.20 Composition 1.20 Composition 1.20 Composition 1.20 Composition 2.2K Composition 2.2K Composition 2.2K Composition 4.7 Composition 1.K Composition 1.K Composition 1.K Composition 1.K Composition 2.2K Composition 4.7 Composition 4.7 Composition 4.7 Composition 4.7 Composition 1.K Composition 1.K Composition 1.K Composition 2.2K Composition 2.2K Composition 2.2K Composition 2.2K Composition 1.C Composition 2.2K, 1.W Wirewound 1.00, 5W Composition 1.2C	Part No. RC20BF331K RC20BF372K RC20BF372K RC20BF102K RC20BF102K RC20BF104K RC20BF104K RC20BF121K RC20BF335K RC20BF121K RC20BF335K RC20BF121K RC20BF334K RC20BF121K RC20BF220K RC20BF222K RC20BF422K RC20BF422K RC20BF101K RC20BF101K RC20BF102K RC20BF102K RC20BF102K RC20BF123K RC20BF123K RC20BF123K RC20BF123K RC20BF122K RC30BF223K RC30BF223K RC30BF223K RC30BF223K
C46, 47 C48 C49 C50, 51, 52 C53 C54 C55 C56 C57 C58 C59 C60, 61 C62 C63, 64 C65 C66 C67 C68 C69 C70 C71 C72 C73 C74	Mica, 4700uf 5 %, 300V Ceramic, .005uf 20 %; 500V Ceramic, .0027uf, 1000V Electrolytic, three section:	C50089-1 C50072-17 C50180-4 C50180-4 C50180-5 C50187-52 C50180-5 C50089-1 C50089-1 C50089-1 C50089-1 C50072-17 C50089-1 C50072-20 C3334 C50072-20 C3334 C50072-20 C50072-17 C50089-1 C50089-1 C50089-1 C50070-8 C50070-8 C50070-8 C50070-8 C50079-54	R1 R2 R3 R4 R5 R6 R7 R8 R9 R10 R11, 12 R13 R14 R15 R16 R17 R18 R19 R20 R21 R22 R23 R24 R25 R26 R27 R28	ohms, 10% tolerance, ½ watt, unleaded. K = kilohm, M = megohm. Description Composition 330 Composition 2.7K Composition 330 Composition 1K Composition 100K Composition 4.7M Composition 120 Composition 120 Composition 330K Composition 330K Composition 120 Composition 120 Composition 22 Composition 22 Composition 22 Composition 4.7K Composition 22 Composition 4.7 Composition 100 Composition 4.7 Composition 100 Composition 22K Composition 22K Composition 22K Composition 22K Composition 22SK Composition 22K Composition 22CK Composition 22CK Composition 22CK Composition 22CK Composition 100 Composition 100 Composition 100 Composition 120 Composition 120 Composition 1.2K; 1W	Part No. RC20BF331K RC20BF272K RC20BF331K RC20BF102K RC20BF102K RC20BF104K RC20BF104K RC20BF121K RC20BF335K RC20BF121K RC20BF335K RC20BF335K RC20BF334K RC20BF334K RC20BF121K RC20BF220K RC20BF220K RC20BF220K RC20BF220K RC20BF222K RC20BF222K RC20BF222K RC20BF222K RC20BF223K RC20BF101K RC20BF102K RC20BF102K RC30BF223K RC30BF223K RC30BF223K RC30BF223K RC30BF223K RC30BF223K RC30BF121K RC30BF121K
C46, 47 C48 C49 C50, 51, 52 C53 C54 C55 C57 C58 C59 C60, 61 C62 C63, 64 C65 C67 C68 C67 C68 C70 C71 C72 C73 C74 C75	Mica, 470.uuf 5 %, 300V Ceramic, 005uf 20 %; 500V Ceramic, 0027uf, 1000V Electrolytic, three section:	C50089-1 C50072-17 C50180-4 C50180-4 C50089-1 C3334 C50197-52 C50180-5 C50089-1 C50089-4 C50089-1 C3334 C50089-1 C3334 C50072-17 C50089-1 C50070-4 C50070-2 C50070-8 C50089-1 C50089-1 C50089-1 C50089-1 C50089-1 C50089-1 C50089-1 C50089-1 C50089-1 C721-142 C50197-54 C50089-1	R1 R2 R3 R4 R5 R6 R7 R8 R9 R10 R11, 12 R13 R14 R15 R16 R17 R18 R19 R20 R21 R22 R23 R24 R25 R26 R27 R28 R29	ohms, 10% tolerance, ½ watt, unleaded. K = kilohm, M = megohm. Description Composition 330 Composition 2.7K Composition 330 Composition 1K Composition 100K Composition 120 Composition 120 Composition 120 Composition 330K Composition 120 Composition 120 Composition 1K Composition 1K Composition 1K Composition 1K Composition 22 Composition 4.7 Composition 4.7 Composition 4.7 Composition 4.7 Composition 4.7 Composition 4.7 Composition 100 Composition 100 Composition 22K Composition 100 Composition 22K Composition 22K Composition 22K Composition 22K, 1W Wirewound 100, 5W Composition 1.2V; 1W Wirewound 400, 5%; 5W	Part No. RC20BF331K RC20BF272K RC20BF331K RC20BF331K RC20BF102K RC20BF102K RC20BF475K RC20BF121K RC20BF335K RC20BF335K RC20BF335K RC20BF334K RC20BF334K RC20BF321K RC20BF322K RC20BF222K RC20BF222K RC20BF222K RC20BF222K RC20BF102K RC20BF223K RC20BF102K RC30BF223K RC20BF102K RC30BF122K RC30BF122K RC30BF122K RC30BF121K RC30BF121K
C46, 47 C48 C49 C50, 51, 52 C53 C54 C55 C57 C58 C59 C60, 61 C62 C63, 64 C65 C67 C68 C69 C70 C71 C72 C73 C74 C75 C75	Mica, 470.uuf 5 %, 300V Ceramic, 005uf 20 %; 500V Ceramic, 0027uf, 1000V Electrolytic, three section:	C50089-1 C50072-17 C50180-4 C50180-4 C50180-5 C50187-52 C50180-5 C50089-1 C50089-1 C50089-1 C50089-1 C50072-17 C50089-1 C50072-20 C3334 C50072-20 C3334 C50072-20 C50072-17 C50089-1 C50089-1 C50089-1 C50070-8 C50070-8 C50070-8 C50070-8 C50079-54	R1 R2 R3 R4 R5 R6 R7 R8 R9 R10 R11, 12 R13 R14 R15 R16 R17 R18 R19 R20 R21 R22 R23 R24 R25 R26 R27 R28	ohms, 10% tolerance, ½ watt, unleaded. K = kilohm, M = megohm. Description Composition 330 Composition 2.7K Composition 330 Composition 1K Composition 100K Composition 4.7M Composition 120 Composition 120 Composition 330K Composition 330K Composition 120 Composition 120 Composition 22 Composition 22 Composition 22 Composition 4.7K Composition 22 Composition 4.7 Composition 100 Composition 4.7 Composition 100 Composition 22K Composition 22K Composition 22K Composition 22K Composition 22SK Composition 22K Composition 22CK Composition 22CK Composition 22CK Composition 22CK Composition 100 Composition 100 Composition 100 Composition 120 Composition 120 Composition 1.2K; 1W	Part No. RC20BF331K RC20BF272K RC20BF331K RC20BF102K RC20BF102K RC20BF104K RC20BF104K RC20BF121K RC20BF335K RC20BF121K RC20BF335K RC20BF121K RC20BF335K RC20BF121K RC20BF324K RC20BF102K RC20BF102K RC20BF220K RC20BF220K RC20BF220K RC20BF220K RC20BF220K RC20BF220K RC20BF101K RC20BF102K RC20BF102K RC20BF102K RC20BF102K RC20BF102K RC20BF102K RC30BF223K RC30BF223K RC30BF223K RC30BF223K RC30BF223K RC30BF121K RC30BF121K
C46, 47 C48 C49 C50, 51, 52 C53 C54 C55 C56 C57 C58 C59 C60, 61 C63, 64 C65 C67 C68 C69 C70 C71 C72 C73 C74 C75 C75	Mica, 4700uf 5 %, 300V Ceramic, .005uf 20 %; 500V Ceramic, .0027uf, 1000V Electrolytic, three section:	C50089-1 C50072-17 C50180-4 C50180-4 C50089-1 C3334 C50197-52 C50180-5 C50089-1 C50089-4 C50089-1 C3334 C50089-1 C3334 C50072-17 C50089-1 C50070-4 C50070-2 C50070-8 C50089-1 C50089-1 C50089-1 C50089-1 C50089-1 C50089-1 C50089-1 C50089-1 C50089-1 C721-142 C50197-54 C50089-1	R1 R2 R3 R4 R5 R6 R7 R8 R9 R10 R11, 12 R13 R14 R15 R16 R17 R18 R19 R20 R21 R22 R23 R24 R25 R26 R27 R28 R29	ohms, 10% tolerance, ½ watt, unleaded. K = kilohm, M = megohm. Description Composition 330 Composition 2.7K Composition 330 Composition 1K Composition 100K Composition 120 Composition 120 Composition 120 Composition 330K Composition 120 Composition 120 Composition 1K Composition 1K Composition 1K Composition 1K Composition 22 Composition 4.7 Composition 4.7 Composition 4.7 Composition 4.7 Composition 4.7 Composition 4.7 Composition 100 Composition 100 Composition 22K Composition 100 Composition 22K Composition 22K Composition 22K Composition 22K, 1W Wirewound 100, 5W Composition 1.2V; 1W Wirewound 400, 5%; 5W	Part No. RC20BF331K RC20BF272K RC20BF331K RC20BF331K RC20BF102K RC20BF47K RC20BF104K RC20BF475K RC20BF335K RC20BF335K RC20BF335K RC20BF335K RC20BF334K RC20BF334K RC20BF321K RC20BF322K RC20BF222K RC20BF222K RC20BF222K RC20BF222K RC20BF223K RC20BF101K RC20BF474K RC20BF474K RC20BF474K RC20BF102K RC30BF223K RC20BF102K RC30BF122K RC30BF122K RC30BF121K RC30BF121K RC30BF121K
C46, 47 C48 C49 C50, 51, 52 C53 C54 C55 C56 C57 C58 C59 C60, 61 C63, 64 C65 C67 C68 C69 C70 C71 C72 C73 C74 C75 C75	Mica, 470.uuf 5 %, 300V Ceramic, 005uf 20 %; 500V Ceramic, 0027uf, 1000V Electrolytic, three section:	C50089-1 C50072-17 C50180-4 C50180-4 C50089-1 C3334 C50197-52 C50180-5 C50089-1 C50089-4 C50089-1 C3334 C50089-1 C3334 C50072-17 C50089-1 C50070-4 C50070-2 C50070-8 C50089-1 C50089-1 C50089-1 C50089-1 C50089-1 C50089-1 C50089-1 C50089-1 C50089-1 C721-142 C50197-54 C50089-1	R1 R2 R3 R4 R5 R6 R7 R8 R9 R10 R11, 12 R13 R14 R15 R16 R17 R18 R19 R20 R21 R22 R23 R24 R25 R26 R27 R28 R29	ohms, 10% tolerance, ½ watt, unleaded. K = kilohm, M = megohm. Description Composition 330 Composition 2.7K Composition 330 Composition 1K Composition 100K Composition 120 Composition 120 Composition 120 Composition 330K Composition 120 Composition 120 Composition 1K Composition 1K Composition 1K Composition 1K Composition 22 Composition 4.7 Composition 4.7 Composition 4.7 Composition 4.7 Composition 4.7 Composition 4.7 Composition 100 Composition 100 Composition 22K Composition 100 Composition 22K Composition 22K Composition 22K Composition 22K, 1W Wirewound 100, 5W Composition 1.2V; 1W Wirewound 400, 5%; 5W	Part No. RC20BF331K RC20BF272K RC20BF331K RC20BF331K RC20BF102K RC20BF47K RC20BF104K RC20BF475K RC20BF335K RC20BF335K RC20BF335K RC20BF335K RC20BF334K RC20BF334K RC20BF321K RC20BF322K RC20BF222K RC20BF222K RC20BF222K RC20BF222K RC20BF223K RC20BF101K RC20BF474K RC20BF474K RC20BF474K RC20BF102K RC30BF223K RC20BF102K RC30BF122K RC30BF122K RC30BF121K RC30BF121K RC30BF121K
C46, 47 C48 C49 C50, 51, 52 C53 C54 C55 C56 C57 C58 C59 C60, 61 C63, 64 C65 C67 C68 C69 C70 C71 C72 C73 C74 C75 C75	Mica, 470.uuf 5 %, 300V Ceramic, 005uf 20 %; 500V Ceramic, 0027uf, 1000V Electrolytic, three section:	C50089-1 C50072-17 C50180-4 C50180-4 C50089-1 C3334 C50197-52 C50180-5 C50089-1 C50089-4 C50089-1 C3334 C50089-1 C3334 C50072-17 C50089-1 C50070-4 C50070-2 C50070-8 C50089-1 C50089-1 C50089-1 C50089-1 C50089-1 C50089-1 C50089-1 C50089-1 C50089-1 C721-142 C50197-54 C50089-1	R1 R2 R3 R4 R5 R6 R7 R8 R9 R10 R11, 12 R13 R14 R15 R16 R17 R18 R19 R20 R21 R22 R23 R24 R25 R26 R27 R28 R29	ohms, 10% tolerance, ½ watt, unleaded. K = kilohm, M = megohm. Description Composition 330 Composition 2.7K Composition 330 Composition 1K Composition 100K Composition 120 Composition 120 Composition 120 Composition 330K Composition 120 Composition 120 Composition 1K Composition 1K Composition 1K Composition 1K Composition 22 Composition 4.7 Composition 4.7 Composition 4.7 Composition 4.7 Composition 4.7 Composition 4.7 Composition 100 Composition 100 Composition 22K Composition 100 Composition 22K Composition 22K Composition 22K Composition 22K, 1W Wirewound 100, 5W Composition 1.2V; 1W Wirewound 400, 5%; 5W	Part No. RC20BF331K RC20BF272K RC20BF331K RC20BF331K RC20BF102K RC20BF47K RC20BF104K RC20BF475K RC20BF335K RC20BF335K RC20BF335K RC20BF335K RC20BF334K RC20BF334K RC20BF321K RC20BF322K RC20BF222K RC20BF222K RC20BF222K RC20BF222K RC20BF223K RC20BF101K RC20BF474K RC20BF474K RC20BF474K RC20BF102K RC30BF223K RC20BF102K RC30BF122K RC30BF122K RC30BF121K RC30BF121K RC30BF121K

nega inese instructions with extreme Care Before Attempting Alignment.

Dial pointers should be at zero index mark on logging scale. If not, reset the dial pointers. Disconnect the external antennas and the antenna link. Set Ferrite Loop to normal position, parallel to rear panel. When using an oscilloscope for alignment, set the output level controls for no overload, as shown CHASSIS: Turn the station selectors completely counterclockwise, without forcing. by the proper waveform shape.

SIGNAL GENERATORS: The signal generator equipment must be able to supply the following: FM RF modulated 30% (±22.5 KC deviation) at 400 cps, AM RF modulated 30% at 400 cps,

AM IF with 30 KC sweep for AM bandwidth adjustment; audio oscillator accurately calibrated for I and 10 KC audio output for testing the 10 KC AM whistle filter.

INDICATOR: DC VTVM, AC VTVM, and scope for alignment.

ALIGNMENT: Allow the chassis and test instruments to warm up for at least fifteen minutes. Adjust the line voltage for 117 volts AC, 50-60 cycles. Use fully insulated tools: a small screwdriver for all trimming capacitors; a K-Tran tool for Z1, Z2, Z3, Z6, Z7, Z8 and Z9; a hex tool for Z4, Z5, L2, L9, L10, L15 and L16. For AM alignment, connect a 1.4 volt battery between the junction of R68/C54 and ground. Positive side of battery to ground.

			CHASSI	=		SIGNAL GENERATOR	IERATOR		INDICATOR		ALIGNMENT
	STEPS	BANDWIDTH	SELECTOR	MONO. STEREO	STATION SELECTOR	COUPLING	FREQ.	MOD.	TYPE CONNECTION	N ADJUST	INDICATION
ALIGNMENT	-	SHARP	FM-AM	B (AM)	Point of no signal and no interference	Audio Gen. connected to Pin 7 of V12	10 KC	None	AC VTVM to Ch. B Recorder Output	C85	Minimum Output
	7	SHARP	FM-AM	B (AM)	Point of no signal and no interference	AM RF Gen. connected thru.01-uf cap. in series with hot lead to V10 Pin 1	455 KC	30% AM at 400 cps	DC VTVM to Test Point 7	Z7, Z8, Z9 top and bottom	Maximum negative voltage
	6	BROAD	FM-AM	B (AM)	Point of no signal and no interference	AM Gen, connected thru .01-uf cap. In series with hot lead to V10 Pin 1	455 KC	30 KC sweep	Scope to Ch. B Recorder Output	Z9 top	Adjust slightly for symmetrical curve
	4	SHARP	FM.AM	B (AM)	600 KC	AM Gen. connected thru 220-vuf cap. in series with hot lead to antenna terminal 3	600 KC	30% AM at 400 cps	Scope to Ch. B Recorder output. DC VTVM to Test Point 7	115, 26	Check for sine waveform Maximum negative voltage
•	S	SHARP	FM-AM	B (AM)	1400 KC	AM Gen. connected thru 220-vuf cap. in series with hat lead to antenna terminal 3	1400 KC	30% AM at 400 cps	Scope to Ch. B Recorder output. DC VIVM to Test Point 7	COE, COC COA	Check for sine waveform Maximum negative voltage
	•	Repeat steps 4	steps 4 and	5 for	proper dial calibration	dial calibration and maximum output.					
4 1	^	FM Muting Switch Off	FM.AM	A (FM)	Point of no signal and no interference	FM Generator connected to Pin 1 of V4	10.7 MC	None	Connect VT VM to test point 2	Z4, Z5 top Z5 bottom	Maximum negative voltage (below —5 volts)
ALIGNMENT	ω	FM Muting Switch Off	FM-AM	A (FM)	Point of no signal and no interference	FM Generator connected to Pin 1 of V4	10.7 MC	Nons	DC VTVM to test point 4	Z5 top	Zero reading on zero center scale
-	٥	FM Muting Switch Off	FM-AM	A (FM)	Point of no signal and no interference	FM Gen. connected to ungrounded tube shield of V2	10.7 MC	None	DC VTVM to test point 1	Z1, Z2, Z3 1 top & bottom	Maximum negative voltage [below —2 volts]
	5	FM Muting Switch Off	FM-AM	A (FM)	90 MC	FM Gen. connected thru two 120-ohm carbon resistors in series with lead to anienna terminals 5 and 6	90 MC	30% FM (22.5 KC Dev.) at 400 cps	DC VTVM to test point 1, and scope to Ch. A Recorder Output	110, 19	Check for sine waveform and adjust for maximum negative voltage
	=	FM Muting Switch Off	FM-AM	A (FM)	106 MC	FM Gen. connected thruiwo 120-ohin carbon rissions in series with lead to antenna terminals 5 and 6	106 MC	30% FM (22.5 KC Dev.) at 400 cps	DC VTVM to test point 1, and scope to Ch. A Recorder Output	G1, C21	Check for sine waveform and adjust for maximum negative voltage
	12	Repeat s	Repeat steps 10 and	= 1	east once for proper	at least once for proper dial calibration and maximum output.	output.				

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NOTE: 1 — For calibrating both the AM and FM, use as low an output voltage as possible from your signal generator.

2 — Decrease Signal Generator output while adjusting IF transformers so that DC VIVM shows no more than noted voltage.

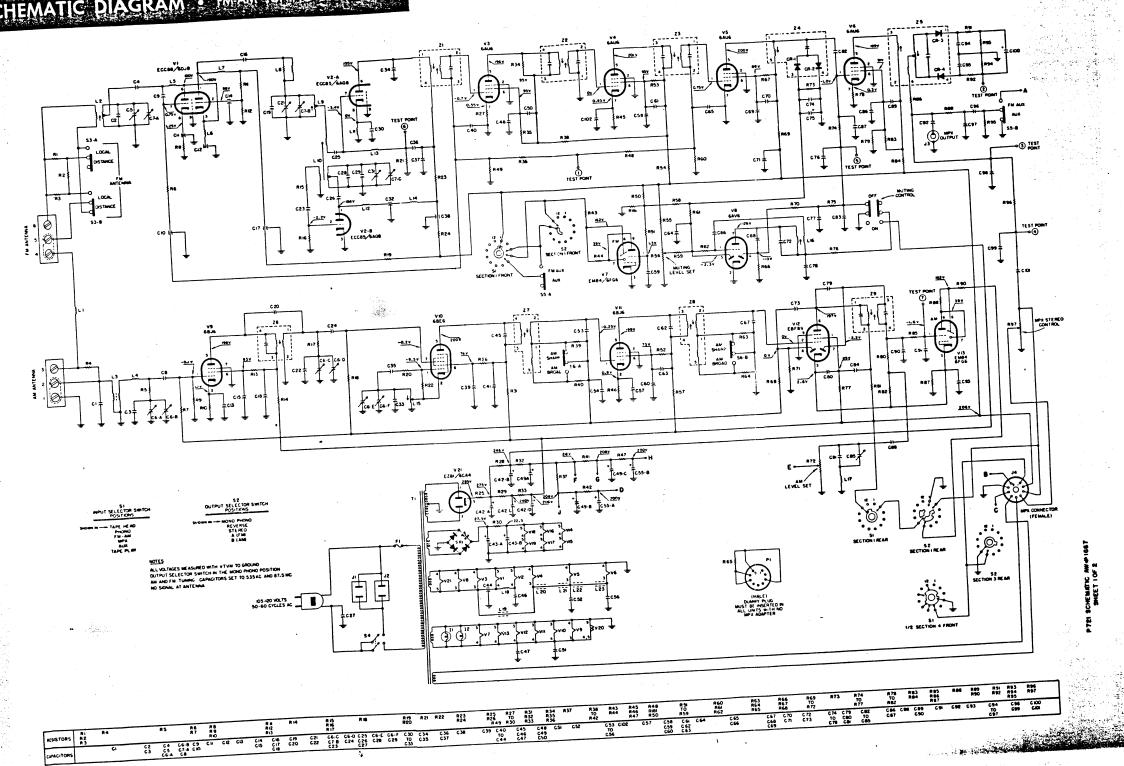
3 — If adjustment of muting oscillator is necessary, adjust it for 3 MC with a Gild-clip Meter.

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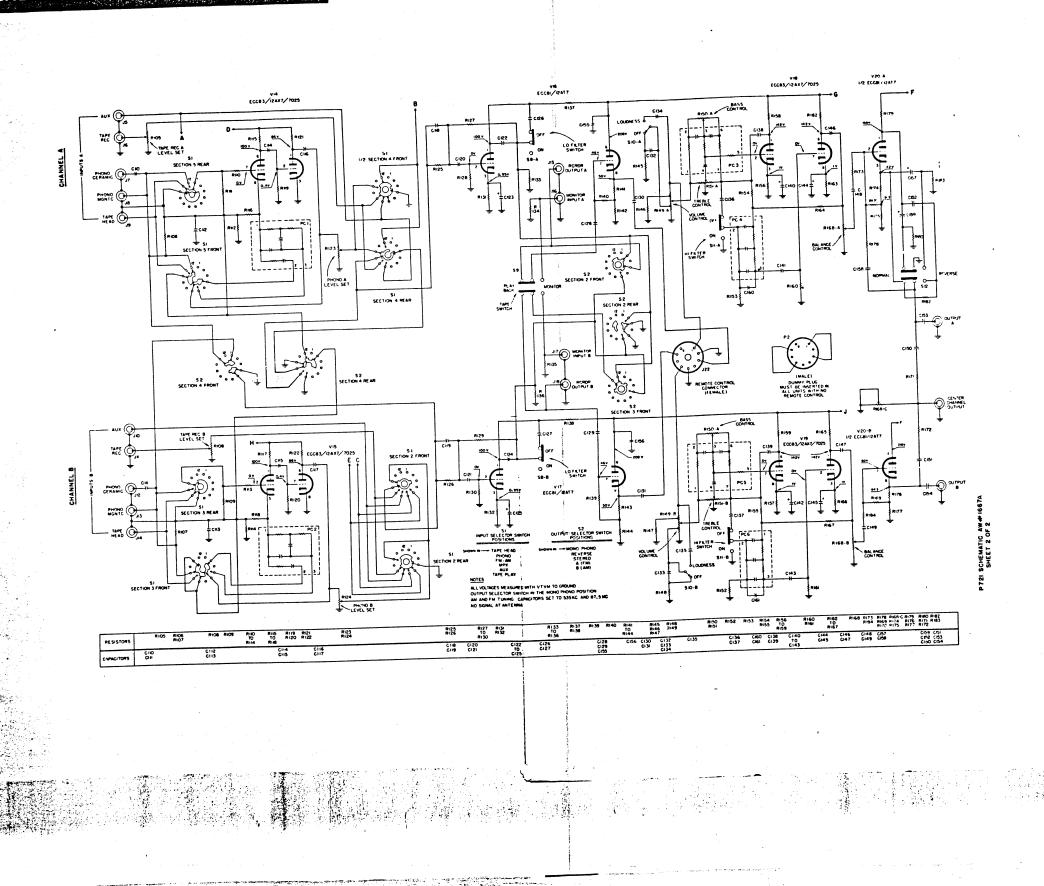
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	•	RC20BF102K	R139, 140	Dep. carbon, 470K 5%, 1/3W	R33DC474J
1	Composition 1K	RC30BF122K	R141	Composition 220	RC20BF221K RC20BF103K
2	Composition 1.2K, 1W Wirewound 400, 5%; 5W	R621-130		Composition 10K	RC20BF221K
3 4	Composition 47K	RC20BF473K	R143	Composition 220 Composition 10K	RC20BF103K
5	Composition 82K	RC20BF823K	R144, 143	Composition 22K	RC20BF223K
6	Composition 1.8M	RC20BF185K RC20BF102K	DIAR	Composition 10K	RC20BF103K
7, 38	Composition 1K	RC20BF271K	P149	Potentiometer, dual, 100K, volume	R50160-29
9, 40	Composition 270 Composition 1K	RC20BF102K	R150	Potentiometer, dual, 1M, Bass	R50160-30 R50160-28
1	Composition 10K	RC2OBF103K	R151	Potentiometer, dual, 500K, treble	RC20BF105K
2 3	Composition 68K	RC20BF683K	R152, 153	Composition 10M Composition 470K	RC20BF474K
.4	Composition 470K	RC2OBF474K	R154, 155	Composition 1.8K	RC2OBF182K
.5	Composition 120	RC20BF121K RC20BF101K	R158, 159	Composition 100K	RC20BF104K
-6	Composition 100	RC20BF103K	R160, 161	Composition 2.2M	RC20BF225K RC20BF104K
17	Composition 10K Composition 100K	RC20BF104K	R162	Composition 100K	RC2OBF182K
‡ 8	Composition 1.8M	RC20BF185K		Composition 1.8K	RC20BF155K
19 50	Composition 15M	RC20BF156K	R164	Composition, 1.5M Composition 100K	RC20BF104K
51	Composition 3.3M	RC20BF335K	R165 R166	Composition 1.8K	RC20BF182K
52	Composition 68K	RC2OBF683K	D167	Composition, 1.5M	RC20BF155K
5 3	Composition 56K	RC2OBF563K RC2OBF471K	R168	Potentiometer, triple, 500K, balance	R50160-31
54	Composition 470	RC20BF474K		250K, center ch. volume	
5 5	Composition 470K Potentiometer 250K; muting	R50160-3	R169, 170	Composition 1M	RC20BF105K RC20BF683J
56	Composition 1K	RC20BF102K		Composition, 68K, 5 %	RC20BF334J
57 58	Composition 1K Composition 220K	RC20BF224K	R173	Composition, 330K, 5 %	RC20BF152K
5 8 5 9	Composition 470K	RC20BF474K	R174	Composition, 1.5K Composition, 27K	RC20BF273K
60	Composition 47K	RC20BF473K	R175 R176	Composition 1.5K	RC20BF152K
61	Composition 150K	RC20BF154K	R177	Composition 47K	RC20BF473K
62	Composition 100K	RC20BF104K RC20BF271K	R178	Composition, 470K, 5 %	RC203F474J
63, 64	Composition 270	RC20BF27TK	R179	Composition, 47K	RC20BF473K
.65	Composition 1.2M	RC2OBF104K	R180	Composition 470K	RC20BF474K
66	Composition 100K Composition 82K	RC20BF823K	R181	Composition 470K	RC20BF474K RC20BF474K
:67	Composition 2.2M	RC20BF225K		Composition, 470K Composition 330K 5%	RC20BF334J
ે6 8 ≀6 9	Composition 1K	RC20BF102K	R184	Composition dear a la	
170	Composition 220K	RC20BF224K		•	
₹71	Composition 820K	RC20BF824K set R50160-3		COILS, CHOKES AND TRANS	FORMER2
₹72	Potentiometer 250K, AM level	RC20BF153K	Symbol	Description	Part No.
₹73	Composition 15K	RC2OBF224K	LI	Chc, 3.3 micro henries	L50066-8
₹74	Composition 220K	RC20BF102K	L2 •	Coil, M Antenna	L726-124
R75	Composition 1K Composition 220K	RC20BF224K	L3	Coil, M Antenna	L721-139
R76 R77	Composition 27K	RC2OBF273K	L4	AM Ferrite Antenna	- L721-136
R78	Composition 100	RC20BF101K	L5	Choke, i micro henry	L50066- 2 L50066-1 9
R79	Composition 18K	RC2OBF183K	L6, 7	Choke, .56 micro henries	1629-180
R80	Composition 47K	RC20BF473K RC20BF102K	L8	Choke, R.F. Coil, FM, R.F.	L726.126
R81	Composition 1K	RC20BF473K	L9 L10	Coil, FM, osc.	L726-125
R82	Composition 47K	RC30BF223K	L11	Choke, .56 micro henries	L50066-19
R83	Composition 22K, 1W. Composition 1K	RC20BF102K	L12, 13	Choke, 1 micro henry	L50066-2
R84 R85	Composition 3.3M	RC2OBF335K	L14	Choke, 1.2 micro henries	L50066-3 L50210-22
R86	Composition 270	RC20BF271K	L15	Coil, AM, osc.	L50210-21
R87	Composition 180	RC20BF181K RC20BF474K	L16	Coil, muting, osc.	L644-120
R88	Composition 470K	RC20BF104J	L17	Coil, 10KC, filter Choke, 1.2 micro henries	L50066-3
R89	Composition 100K, 5%	RC20BF683K	L18 L19, 20	Choke, filament ferrite bead	L592-189
R90	Composition 68K Composition 1.5K	RC20BF152K	21, 22,		
R91	Composition 1K	RC20BF102K	T1	Transformer, power	7721-115
R92 R93, 94		RC20BF682K	Z1	Transformer, FM, I.F.	77662-117
R95	Composition 330K	RC20BF334K	Z2	Transformer, FM, I.F.	ZZ629-142 ZZ50210-2
R96	Composition 33K, 5%	RC20BF333J ntrol R50160-20	Z3	Transformer, FM, I.F. Coil, FM, limiter	L551-121
R97	Potentiometer 100K, MPX, Co	level ch A R50160-3	Z4 Z5	Transformer, FM, Ratio Detector	ZZ592-170
R105	Potentiometer 250K, Tape rec.	RC20BF823K	25 26	Transformer, AM, R.F.	L670-151
	107 Composition 82K Potentiometer, 250K, Tape rec.	level ch. B R50160-3	Z7, 8	Transformer, AM, I.F.	ZZ50210-3
R108 R109	Composition 100K	RC20BF104K	Z9	Transformer, AM, I.F.	ZZ2984
R110	Composition 10K	RC20BF103K			
R111	Composition 100K	RC20BF104K		MISCELLANEOUS	
R112	Composition 10	RC20BF100K RC20BF103K			
R113	Composition 10K	RC20BF103K	Symbol	Description	Part No.
R114	Composition 10 Composition 330K, 1W	RC30BF334K	CR1, 2	Crystal diode, Type 1N295	V-1N295
R115 R116	Composition 2.7K, 1W	RC30BF272K	CR3, 4	Crystal diode, Type 1N542, matche	ed pair V-1N542
R117	Composition 330K, 1W	RC30BF334K	F1	Fuse, 3 amp.	F-3000 I-50082- 3
R118	Composition 2.7K, 1W	RC30BF272K	11, 2	Lamp, dial panel	P-50181
R119,	120 Composition 4.7M	RC20BF475K	P1, 2	Plug, 9-pin Printed circuit, Phono Equalization	PC50187-3
P121	122 Composition 220K	RC20BF224K Level Sets R50160-3	PC1, 2 PC3,5	Printed circuit, Tone Control	PC657-140
	124 Potentiometer, 250K, Phono	R33DC474J	PC4, 6	Printed circuit, High Freq. filter	PC50187-2
R123,		•	\$1	Switch, selector	\$721-145
R125,	126 Dep. carbon, 470K, 5%, 1/3V	KC50Rt3A2V			C721 1 <i>44</i>
R125, R127,	129 Composition. 3.9M	RC20BF395K RC20BF105K	S2	Switch, mono stereo	\$721-144
R125, R127, R128	Composition 1M	KCZOBI 373K			∫ \$50200 -2
R125, R127, R128 R130	Composition 1M Composition 1M	RC20BF105K	\$2 \$3, 5, 6, 7, 8, 9,		∫ S50200-2 - or
R125, R127, R128 R130	Composition 3.9M Composition 1M Composition 1M Composition 470	RC20BF105K RC20BF105K RC20BF471K RC20BF274K	\$2 \$3, 5, 6, 7, 8, 9, 11, 12	. Switch slide $\bigg\}$	\$50200-2 - or \$50200-4
R125, R127, R128 R130 R131, R133	129 Composition. 3.9M Composition 1M Composition 1M Composition 470 Composition 270K 135 Composition 330K	RC20BF105K RC20BF105K RC20BF471K RC20BF274K RC20BF334K	S2 S3, 5, 6, 7, 8, 9, 11, 12 S4	Switch slide S	∫ S50200-2 - or
R125, R127, R128 R130 R131, R133 R134,	129 Composition. 3.9M Composition 1M Composition 1M 132 Composition 270K Composition 330K Composition 270K	RC20BF105K RC20BF105K RC20BF471K RC20BF274K RC20BF334K RC20BF374K	\$2 \$3, 5, 6, 7, 8, 9, 11, 12 \$4 \$10	Switch slide } Switch, power Switch, loudness	S50200-2 - or S50200-4 Part of R149
R125, R127, R128 R130 R131, R133 R134,	129 Composition. 3.9M Composition 1M Composition 1M Composition 470 Composition 270K 135 Composition 330K	RC20BF105K RC20BF105K RC20BF471K RC20BF274K RC20BF334K	S2 S3, 5, 6, 7, 8, 9, 11, 12 S4	Switch slide S	S50200-2 - or S50200-4 Part of R149 Part of R149

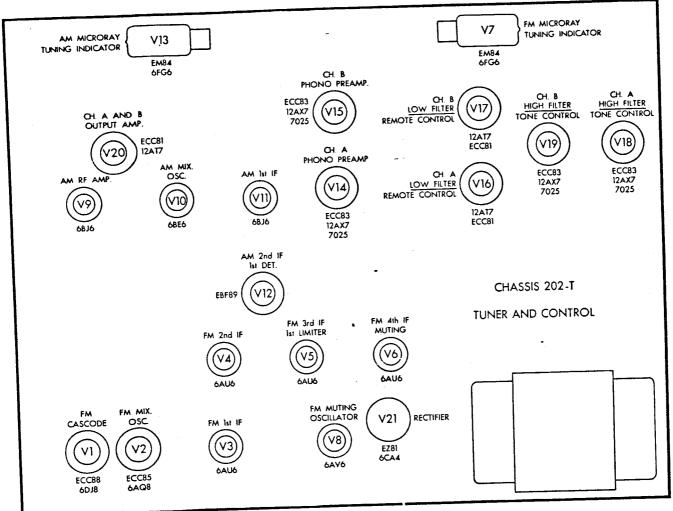
CHEMATIC DIAGRAM . FM AM TUNING SECTIONS



SCHEMATIC DIAGRAM . PREAMPLIFIER



TUBE LAYOUT



AW 1669